

U.S. Patent Application Serial No. 10/073,896
Response dated September 16, 2003
Reply to OA of August 1, 2003

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

P2

Port of control unit device

⑤

(A3) ?

1. (Currently amended): A suction control unit in a plate suction and lifting device which sucks a flat part of a plate by a suction pad and lifts the plate, comprising:

a suction pad to suck the flat part of the plate;

a suction pressure detecting means for detecting the suction pressure of the suction pad; and

a retry control unit for controlling the plate suction and lifting device in order to so as to have the plate suction and lifting device suck the plate again by changing after changing a location to be sucked by the suction pad in the flat part of the plate sucked by the suction pad if the suction pressure of the measured by the suction pressure detecting means does not reach the set a set pressure when sucking the plate.

2. (Original): A suction control unit in a plate suction and lifting device as in claim 1, wherein the plate suction and lifting device is equipped with a travel body for traveling to at least one direction along the flat direction of the plate between a table for placing the plate and a next process plate discharging part for placing the plate discharged from the table and the suction pad is provided in the travel body and the retry control unit changes the flat part of the plate sucked by moving the travel body.

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3. (Original): A suction control unit in a plate suction and lifting device as in claim 2, wherein the travel body can freely move to the given direction along the flat direction of the plate.
